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0608-9626-USf/Robert/Bric

New Application: Kun-Long LIN et al. Filed: February 19, 2004 9 sheets of drawings FIGS.1A-7 RABIN & BERDO, P.C. Atty Docket: TOP 270

Customer NO.: 23995

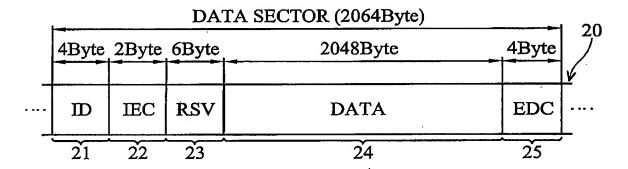
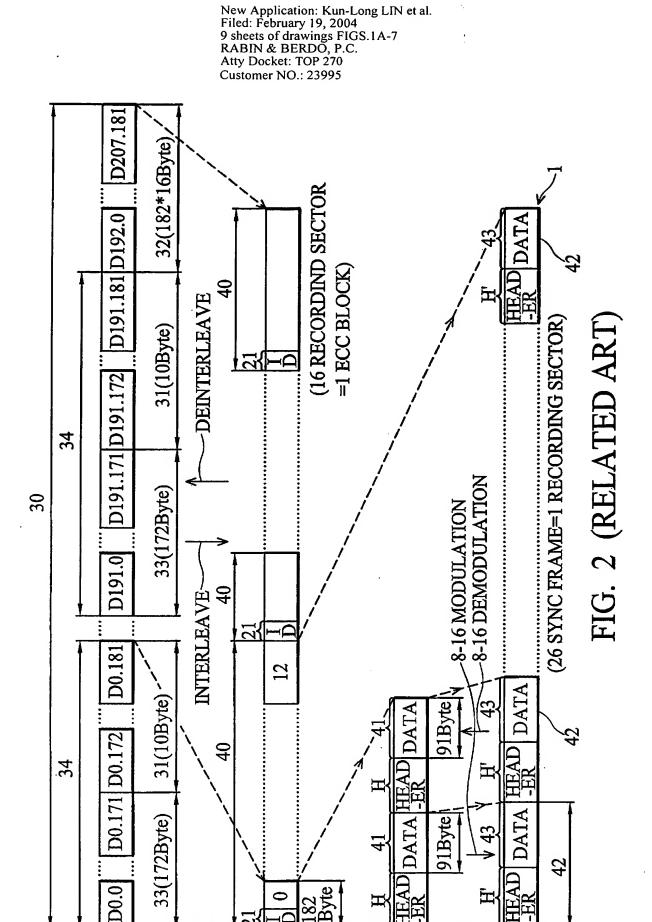
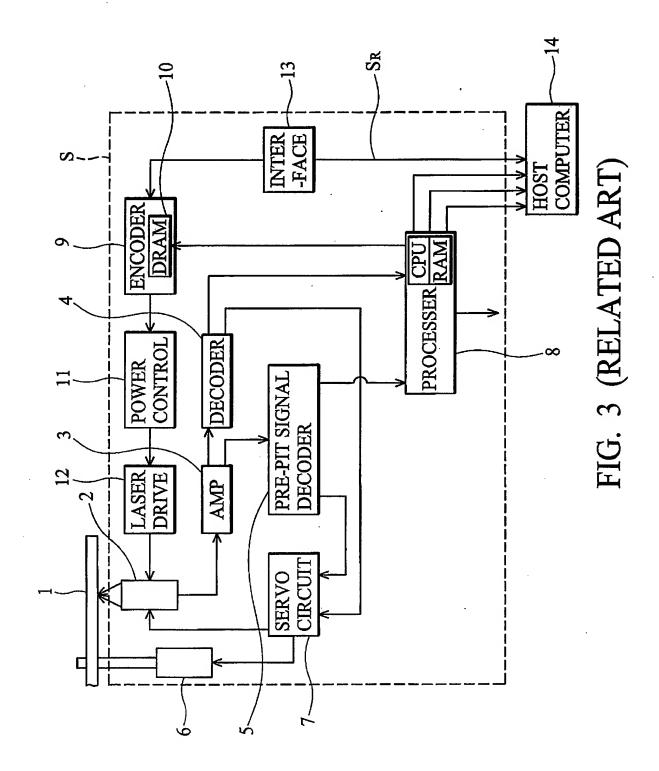


FIG. 1A (RELATED ART)

	192LINES(12*16)								PO(16LINES)			
	34	34	34			34		34	34	<u> </u>	34	
	B <sub>0.181</sub>	B <sub>1.181</sub>	B <sub>2.181</sub>	B <sub>3.181</sub>	•••••	B100 181	190.101	B191.181	B <sub>192.181</sub>		B207.181	te)
31				••••	•••••					•••••		PI(10Byte) ART
	B <sub>0.172</sub>	B <sub>1.172</sub>	B <sub>2.172</sub>	B <sub>3.172</sub>	•••••	B100.177	170.112	B <sub>191.172</sub>	B <sub>192.172</sub>	•••••	B207.172	(RELATED ART)
30	B <sub>0.171</sub>	B <sub>1.171</sub>	B <sub>2.171</sub>	B <sub>3.171</sub>		B190 171	1/10/21 -	B <sub>191.171</sub>	B <sub>192.171</sub>	•••••	B <sub>207.171</sub>	RELA
33	B <sub>0.170</sub>	B <sub>1.170</sub>	B <sub>2.170</sub>	B <sub>3.170</sub>	•••••	B100 170	130.110	B <sub>191.170</sub>	B <sub>192.170</sub>	•••••	B <sub>207.170</sub>	172Byte FIG. 1B (
(3)		•••••	•••••		•••••			:	:	•••••	i	1721 [G.
	B <sub>0.1</sub>	$\mathbf{B}_{1.1}$	B <sub>2.1</sub>	B <sub>3.1</sub>	•••••	B <sub>190.1</sub>	17001	B <sub>191.1</sub>	B <sub>192.1</sub>	•••••	B <sub>207.1</sub>	
	$\mathbf{B}_{0.0}$	B <sub>1.0</sub>	$\mathrm{B}_{2.0}$	B <sub>3.0</sub>	•••••	Brand	O'OCT .	B <sub>191.0</sub>	B <sub>192.0</sub>	•••••	B <sub>207.0</sub>	
20	EC RSV DATA	ľA	ľA			ſA	ra FDC		.25 vte		/	
21 22 23	ID IEC RS	DATA	DATA	••••		DATA	DATA		24 172Bvte			
			(	INE	15 F			_		<del></del>		



New Application: Kun-Long LIN et al. Filed: February 19, 2004 9 sheets of drawings FIGS.1A-7 RABIN & BERDO, P.C. Atty Docket: TOP 270 Customer NO.: 23995



New Application: Kun-Long LIN et al. Filed: February 19, 2004
9 sheets of drawings FIGS.1A-7
RABIN & BERDO, P.C.
Atty Docket: TOP 270
Customer NO.: 23995

Start Reading the main data from the host computer and storing in the -S1 DRAM Reading the main data from the DRAM -S2 Generating ID information error correction code (IEC) for **S3** correcting errors in the ID information Generating the reserve data (RSV) for denoting the copyright -S4 Generating the error detection code (EDC) for detecting errors in **-S5** the main data Performing a scramble process ·S6 Attaching the inner-code parity (PI) to the data sector -S7 Storing the scrambled data to the DRAM **-**S8 Generating the outer-code parity (PO) according to the read data ·S9 stored in the DRAM Storing outer-code parity (PO) in the DRAM interleaving the ·S10 data sectors Reading the data stored in the DRAM to write in the disc S11 End

FIG. 4 (RELATED ART)

0608-9626-USf/Robert/Eric

New Application: Kun-Long LIN et al. Filed: February 19, 2004 9 sheets of drawings FIGS.1A-7 RABIN & BERDO, P.C. Atty Docket: TOP 270

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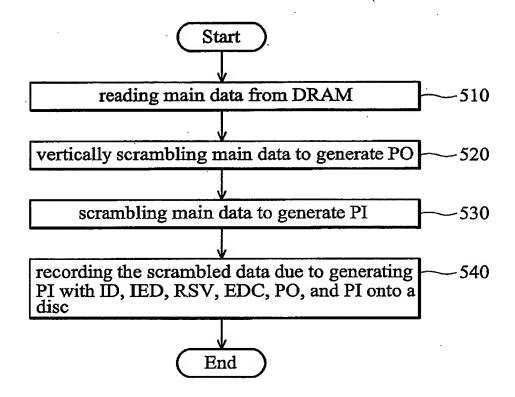


FIG. 5

0608-9626-USf/Robert/Eric

New Application: Kun-Long LIN et al. Filed: February 19, 2004 9 sheets of drawings FIGS.1A-7 RABIN & BERDO, P.C. Atty Docket: TOP 270

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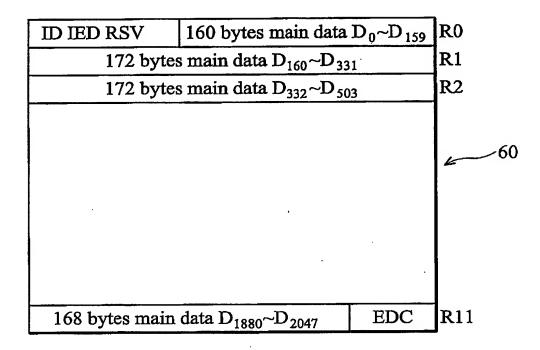


FIG. 6A

New Application: Kun-Long LIN et al. Filed: February 19, 2004 9 sheets of drawings FIGS.1A-7 RABIN & BERDO, P.C. Atty Docket: TOP 270 Customer NO.: 23995

				60		
C0	C1			6	C171	_
$B_{0,0}$	B <sub>0,1</sub>	~B <sub>0,11</sub>	S <sub>0</sub>		S <sub>159</sub>	RO
S <sub>160</sub>	S <sub>161</sub>		S <sub>172</sub>		S <sub>331</sub>	
S <sub>332</sub>	S <sub>333</sub>		S <sub>344</sub>		S <sub>503</sub>	R2
S <sub>1880</sub>	S <sub>1881</sub>		S <sub>1892</sub>	S <sub>2047</sub> B <sub>11,168</sub> ~	$B_{11,171}$	R11
PO <sub>0</sub>	$PO_1$		$PO_{11}$		PO <sub>171</sub>	

FIG. 6B

0608-9626-USf/Robert/Eric

New Application: Kun-Long LIN et al. Filed: February 19, 2004
9 sheets of drawings FIGS.1A-7
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Atty Docket: TOP 270
Customer NO.: 23995

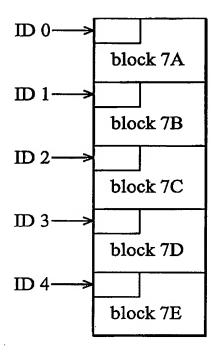


FIG. 7